

WHAT IS CLAIMED IS:

1. A press die for press forming of glass, which comprises:

a matrix body;

5 a diffusion preventive film covering the surface of said matrix body; and

a releasing film covering the surface of said diffusion preventive film;

10 wherein said diffusion preventive film is provided with function to prevent a principal constituent element in said matrix material from diffusing into said releasing film.

15 2. The press die according to claim 1, wherein said diffusion preventive film is constituted by a high-melting point metal having a melting point, as represented by centigrade, of not less than 2.6 times as high as the forming temperature of glass.

20 3. The press die according to claim 2, wherein said diffusion preventive film is constituted by a plurality of layers differing in composition from each other.

25 4. The press die according to claim 2, wherein said matrix material is constituted by a sintered body of tungsten carbide (WC), and said diffusion preventive film is constituted by at least one kind of metal selected from the group consisting of Ta, Nb, Re, Os, Ru, Ir, Zr, Mo, Rh and Hf.

09867420-053101

5. A press die for press forming of glass, which comprises:

a matrix body; and

a releasing film covering the surface of said

5 matrix body;

wherein said releasing film is constituted by a high-melting point metal having a melting point, as represented by centigrade, of not less than 2.6 times as high as the forming temperature of glass.

10 6. The press die according to claim 5, wherein said releasing film is constituted by a plurality of layers differing in composition from each other.

15 7. The press die according to claim 5, wherein said matrix material is constituted by a sintered body of tungsten carbide (WC), and said releasing film is constituted by at least one kind of metal selected from the group consisting of Ta, Nb, Re, Os, Ru, Ir, Zr, Mo, Rh and Hf.

09857420-053101